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September 4th.

Prof. CARSON in the Chair.

Thirteen members present.

September 11th.

MR. CASSIN, Vice-President, in the Chair.

Twenty members present.

Mr. Thomas Meehan remarked :

I present to the Academy specimens of *Pinus pungens*, Michaux, gathered by me on the east side of the Schuylkill River, in the Blue Mountain Ridge, near Hamburg, in Berks County, about 75 miles from Philadelphia by the Reading Railroad.

The greater part of the Pine here is of *Pinus inops*, with a few of *P. rigida*. The *P. pungens* is scattered here and there amongst them. Further up towards Port Clinton I saw it in comparatively large quantity, and on the opposite or west side of the River, so far as I could judge by the appearance of the wood, it seemed very abundant.

The discovery east of the Susquehanna is interesting from its formerly supposed limited location on Table Mountain, North Carolina, by Michaux. Mr. Loudon subsequently noticed its discovery in the Blue Ridge, in Virginia, and more recently Prof. Porter, as recorded in the Proceedings of this Institution, discovered it sparingly in the Alleghanies, near Huntingdon.

A very old collector of plants, whom I accidentally met some few years ago at Allentown, assured me that he had seen specimens many years past in the Blue Mountains, near there, but I supposed at that time he was probably mistaken. Its discovery now in the same ridge, leads to the probability that it is by no means a local species, but may most likely be found scattered along the mountain slopes from North Carolina to the Delaware.

In favorable situations it would probably become a larger tree than *Pinus inops*. I measured one standing by the road side that was 5 feet in circumference, about four feet from the ground. The tree was apparently 50 feet high.

Dr. Leidy exhibited specimens of a large Coccus on the Black Oak, *Quercus tinctoria*.

Mr. Cassin remarked that the *Crotophaga ani*, from Edenton, N. C., presented this evening by Dr W. A. B. Norcom, though a common West Indian bird, was the third specimen, of which he had any knowledge, that had been procured in the United States.

September 18th.

MR. VAUX, Vice-President, in the Chair.

Twenty-two members present.

The death was announced of Dr. A. A. Gould, of Boston, a correspondent of the Academy.

September 25th.

The President, DR. HAYS, in the Chair.

Twenty members present.

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Dr. E. B. Vandyke, and Mr. Frank H. Wyeth were elected members, and Mr. Gabriel Manigault, of Charleston, S. C., was elected a correspondent.

October 2d.

The President, DR. HAYS, in the Chair.

Twenty-eight members present.

The following were offered for publication :

"On the Period and Ratio of the Annual Increase in the Circumference of Trees." By Thomas Meehan.

"Third Contribution to the History of the Balaenidæ and Delphinidæ." By E. D. Cope.

October 9th.

The President, DR. HAYS, in the Chair.

Twenty two members present.

October 16th.

The President, DR. HAYS, in the Chair.

Twenty-eight members present.

The following was offered for publication : "Synopsis of the Batrachia and Reptilia of Arizona." By Ed. D. Cope.

Dr. Slack exhibited some living specimens of *Menopoma*, from the upper Alleghany River, and remarked that in the summer they appear of a light slate color ; in the winter, dark brown.

October 23d.

The President, DR. HAYS, in the Chair.

Thirty members present.

Dr. Leidy exhibited a tusk, fragments of others, and molar teeth of *Mastodon obioticus* from Big-bone-lick, Kentucky, belonging to the Museum. The specimens exhibited a remarkable degree of attrition, in various positions, which he supposed to be due to their having been ground in and by moving masses of ice.

Mr. Cope made a communication in regard to the Mesozoic Sandstone of Pennsylvania, expressing the probability of its horizon being that of the Trias of Europe, on account of some contained vertebrate remains which he had previously described, and also from some bones of a *Pterodactyle* now in his possession, for which he proposed the name of *P. longispinis*.

Mr. Cassin made some remarks in regard to the existence of deposits in the vicinity of Atlantic City, N. J., analogous to the Kitchen Middens of Northern Europe and similar to those noticed by Dr. Leidy, near Cape Henlopen, Del.

Mr. Ennis reported the existence of a similar shell bed near Cape May Court House, N. J.

Dr. Leidy observed that during the past summer he had made another visit to the Kitchen Middens of Cape Henlopen, in company with Mr. Cassin, Mr. Robert Frazer, and Mr. Canby of Wilmington. They had noticed the shell

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